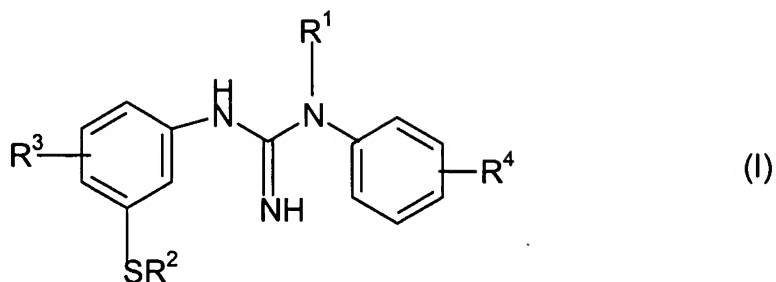


**In the Claims**

**Listing of claims**

1. (Original) A compound of formula (I):



or a salt or solvate thereof, wherein:

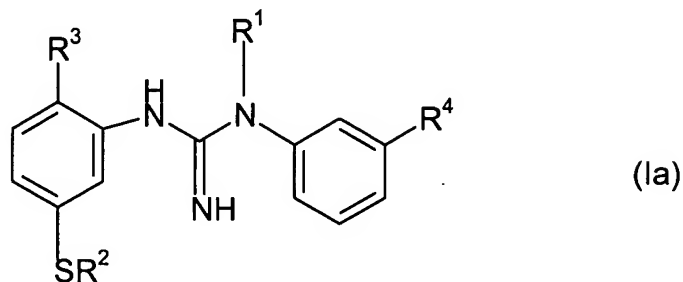
$R^1$  is  $-^{11}\text{CH}_2\text{R}^5$  or  $[\text{}^{18}\text{F}]\text{-C}_{1-4}$  fluoroalkyl wherein  $\text{R}^5$  is hydrogen or  $\text{C}_{1-4}$  alkyl;

$\text{R}^2$  is hydrogen or  $\text{C}_{1-4}$  alkyl;

$\text{R}^3$  is halo; and

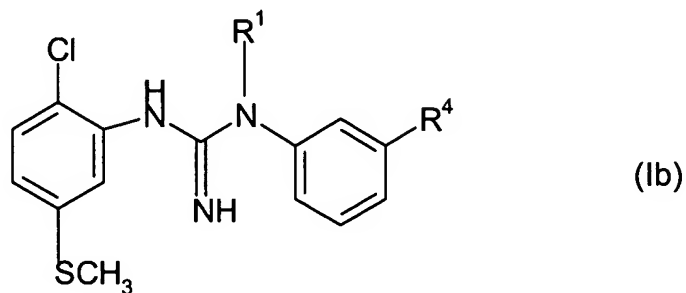
$\text{R}^4$  is halo,  $\text{C}_{1-4}$  alkylthio, or  $\text{C}_{1-4}$  alkyl.

2. (Original) A compound according to claim 1 of formula (Ia) :



or a salt or solvate thereof, wherein  $\text{R}^1$ ,  $\text{R}^2$ ,  $\text{R}^3$ , and  $\text{R}^4$  are as defined in claim 1.

3. (Currently amended) A compound according to claim 1 ~~or 2~~ of formula (Ib):

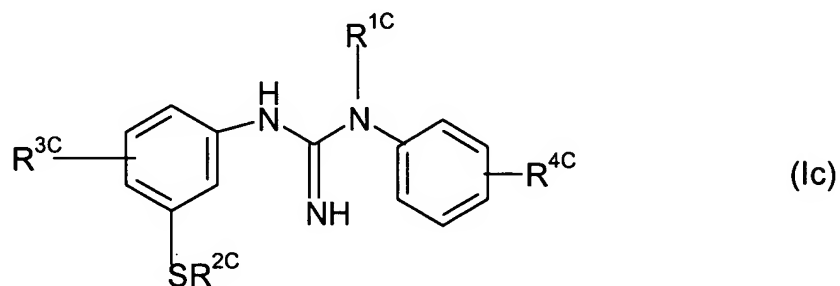


or a salt or solvate thereof, wherein:

$R^4$  is  $C_{1-4}$  alkylthio;

$R^1$  is either  $-^{11}CH_3$ ,  $-^{11}CH_2CH_3$ , or  $-^{11}CH_2CH_2CH_3$  or  $R^1$  is  $-CH_2^{18}F$ ,  $-CH_2CH_2^{18}F$ , or  $-CH_2CH_2CH_2^{18}F$ .

4. (Original) A compound of formula (Ic):



or a salt or solvate thereof, wherein:

$R^{1c}$  is  $C_{1-4}$  alkyl or  $C_{1-4}$  haloalkyl;

$R^{2c}$  is hydrogen or  $C_{1-4}$  alkyl;

$R^{3c}$  is radioiodine (suitably  $^{123}I$ ,  $^{124}I$ ,  $^{125}I$ , or  $^{131}I$ ); and

$R^{4c}$  is halo,  $C_{1-4}$  alkylthio, or  $C_{1-4}$  alkyl.

5. (Currently amended) A compound according to ~~any one of claims 1 to 3~~ claim 1,

selected from:

(N-(2-chloro-5-(methylthio)phenyl)-N'-(3-methylthio)phenyl)-N'-[N-methyl-<sup>11</sup>C]-methylguanidine; and  
(N-(2-chloro-5-(methylthio)phenyl)-N'-(3-methylthio)phenyl)-N'-[<sup>18</sup>F]-fluoromethylguanidine;  
or a salt or solvate thereof.

6. (Currently amended) A compound according to ~~any one of claims 1 to 5~~ claim 1, for use in an *in vivo* diagnostic or imaging method such as PET.

7. (Currently amended) Use of a compound according to ~~any one of claims 1 to 5~~ claim 1, in the manufacture of a radiopharmaceutical for the *in vivo* diagnosis or imaging of an NMDA-mediated disease.

8. (Currently amended) A method for the *in vivo* diagnosis or imaging of NMDA-mediated disease in a subject, preferably a human, comprising administration of a compound according to ~~any one of claims 1 to 5~~ claim 1.